Fourth and Final Original/Duplicate/Triplicate

Bill Type:

CONTRACT CERTIFICATE

(For other works)

Division: **BBMP,Byatarayanapura** Sub Division: **BBMP,Byatarayanapura**

Bill received No..... Divisional / Sub Divisional Cash Book Voucher No. ..... Dated.....

Work code: **005-16-000037**

Schedule Docket No. Head of account Est.Cost:**10.3495 Crores** D.R No. :

Name of work(as per sanctioned estimate): **Providing internal lining works and development of approach roads to Bellahalli quarry sy. 13 yelahanka ward no.05**

Name of Contractor and Address: *Executive Engineer-4, KRIDL, Bangalore.-03*

Reference to Agreement No. **BBMP/EE/BTP/WO/324/2015-16** Date: **24.03.2016**

Certify that the measurements were taken by me on 2/1 and recorded of pages 263843 to 263857 of measurement book no. 2639/15

And that the work is satisfactorily executed.

Contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Office-in-charge of work

Certified that measurement were taken by me on 2/1/17 .....and found correct. That work is satisfactorily executed.

Certified that the quantities of material shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal Agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Total Bill Rs	10,32,78,800-00
2) Deduct amount to be held in reserve being.....percent Rs.....	Ist to 3rd Part Rs	5,00,00,008-00
3) " " Balance	4th & Final Bill Rs	41961369-00
4) Deduct Payment:	3rd Bill Balance Amt to be paid	11317423-00
a) Amount previous payment as in the Office cash Book Voucher No.....Dated..... S.D No..... Amount adjusted towards cash advance recovery of	Total Rs.	53278792-00
	IT -	1830503-00
b) Payments Now Made Cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque/Cash	VAT -	1678455-00
	Cess -	915252-00
	CBF -	91525-00
	FSD -	26,63,940-00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the office cash book voucher No..... Dated..... Less adjustment.	Adju	71,79,675-00
7) Net amount due to or from contractor unadjustment items		
8) Advance to Contractor for materials brought to site(as detailed) within	Cheque	4,60,99,117-00
9) Value of Government materials supplied.		

Contractor's Signature

Received Rs.....(in words)..... by cash and by adjustment of Payment as per memorandum

(In final settlement of all demands)

Witness

1.

2.

Dated Signature of Contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Paid by me cheque no..... Dated.....

Cash Rs..... Dated.....

(For use in office)

(STAMP)

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Audited & Admitted for Rs. 53278792-

Cheque Rs. 46099117-00 by Cheque

and Rs. 71,79,675-00 by Adjustment

Executive Engineer

Acctt. Supdt.
Project Division
B.B.M.P.

Executive Engineer
Project Division
B.B.M.P

Initials of Officer making payment

Sl N	Description	Unit
1	2	3
1	KSRB 2.2.7: Benching hard rock 5 to 7.5 cm depth. for seating of foundation, including cost of all labour complete as per specifications. specification. No. KBS 2.1(a) / 2.3.1 complete as per specifications cost of all metarials, labour complete as per specifications. specification directions of engineer in charge of the work	Sqm
2	Providing, Supplying, Laying of 1.5 mm thick black HDPE texured Geomembrane including fabrication charges, all taxes and transportation etc.complete as per specifications cost of all metarials, labour complete as per specifications. specification directions of engineer in charge of the work	Sqm
3	Supply and laying of 200 gsm Non-woven Geotextile (Polypropylene) of thickness 2 mm at 2 kPa at the bottom and sides of landfill. The geotextile shall be made from virgin PP stable fibres and bonded by needlepunching technology inclusive of all taxes. complete as per specifications cost of all metarials, labour complete as per specifications. specification directions of engineer in charge of the work	Sqm
4	Engaging hydraulic excavator Hitachi on Hire basis including cost of fuel, crew charges etc Complete for Re-handling, heaping, spreading & forming of the MSW received at Dump yard & landfill site. 1 No of Hitachi per day of 8 hrs. complete as per specifications cost of all metarials, labour complete as per specifications. specification directions of engineer in charge of the work	Hrs
5	Engaging of JCB on Hire basis including cost of fuel, crew charges etc Complete for Re-handling, heaping, spreading & forming of the MSW received at Dump yard & landfill site. PWD SR 2015-16 page XXXVII item 23. For formation of road for movement of garbage carrying vehicles on to land fill, to assist the transporting vehicles that would struck in slush and any such unwaranted situations. Complete as per specifications cost of all metarials, labour complete as per specifications. specification directions of engineer in charge of the work	Day
6	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. Complete as per specifications cost of all metarials, labour complete as per specifications. specification directions of engineer in charge of the work. Specification directions of engineer incharge.	Cum
7	Engaging Field Assistants for supervision of maintenance work of MSW handling as per the directions of Engineer in charge, For supervision and monitoring of the garbage disposal in the land fill, listing of vehicles, cleaning of spilled garbage etc. Complete as per specifications cost of all metarials, labour complete as per specifications. specification directions of engineer in charge of the work	Nos
Road Work		
8	KSRRB M300-14. Excavation for road work in all type of soil with hydraulic excavator of 0.9cum bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines,grades and cross sections and transporting to the embankment location to a lead of 1.00km and complete as per specifications,cost of all materials,labour complete as per specifications.Specification directions of engineer incharge.	Cum
9	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. Complete as per specifications cost of all metarials, labour complete as per specifications. specification directions of engineer in charge of the work. Specification directions of engineer incharge.	Cum
10	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 complete as per specifications. specification directions of engineer in charge of the work	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate Rs. P.	Amount	Qty (4+6)	Cost (5+8)	
4	5	6	7	8	9	10	11
450.00	590036.00	525.00	1311.19	688375.00	975.00	1278411.00	
12540.00	8000520.00	2492.00	638.00	1589896.00	15032.00	9590416.00	
5121.00	1101015.00	9911.00	215.00	2130865.00	15032.00	3231880.00	
4220.00	9716557.00	2380.00	2302.50	5479950.00	6600.00	15196507.00	
366.00	2459520.00	184.00	6720.00	1236480.00	550.00	3696000.00	
62408.16	18512756.98	37141.84	296.64	11017756.00	99550.00	29530513.00	
549.00	134257.95	431.00	244.55	105402.00	980.00	239660.00	
1498.57	204405.00	0.00	0.00	0.00	1498.57	204405.00	
3105.06	965798.00	0.00	0.00	0.00	3105.06	965798.00	
4995.23	24277.00	0.00	0.00	0.00	4995.23	24277.00	

Sl N	Description	Uni
11	Providing,laying, spreading and compacting Crushed stone aggregates of Granite /trap/basalt/ of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8- 10 tonnes in stages to proper grade and chamber, applying and brooming requisite type of screening/binding/ materials of fill up the interstices of coarse aggregayes, watering and compacting to the required density complete as per specifications. A, by manual means Crushable type such as moorum or gravel for grading II, MORTH Specifications No.405 complete as per specifications.	Cum
12	Providing,laying, spreading and comp[acting Crushed stone aggregates of Granite /trap/basalt/ of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8- 10 tonnes in stages to proper grade and chamber, applying and brooming requisite type of screening/binding/ materials of fill up the interstices of coarse aggregayes, watering and compacting to the required density complete as per specifications. A, by manual means Crushable type such as moorum or gravel for grading III, MORTH Specifications No.405 complete as per specifications.	Cum
13	De watering of accumulated water (3.5 Kltr/Hour Capacity) inculding hire charges of two labours and tractors	day
14	Supply and Spraying of bio enzymes solution By setting of bioreactor at site to required ratio using leachates including cost to bio enzymes and air pumps	lts
15	using aromatic oils in spraying on garbage 3lts per day Rs 4200 per day	lts
16	Ten wheeler tipper for shifting of soil	days
17	Ex-Serviceman/ Night Watchman	month
18	Engaging heavy mazdoor labour	day
19	Water tanker for watering the road 5 times a day	day
20	Engaging TRACTOR OF 50 HP capacity including cost of crew and fuel charges etc complete . For cleaning of spilled garbage from garbage transporting vehicals and transportation of disel .	day
	Drilling of borewell	
21	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, 1MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysic,a1 investigation of existing Ground Wate in the vicinity, its quality 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification & direction. (P.48, I. 9.4) PRED.SR 2012-13	
22	Sinking borewell of 160mm dia clear using super fast hydraulic rig of capacity 250PSIG and above CFM and above in all strats including over burden upto 20mtrs fixing of casing pipes,collars and caps with necessary cutting,throading and welding including transportation of rig and supporting vehicles,crew charges and cost of consumables etc complete including yield testing at the final depth with a minimal depth with a minimum working of compressor for one hour .P.46 PRED SR 2013-14	
	0-50m	Rmtr
	50-100m	Rmtr
	100-150m	Rmtr
	150-200m	Rmtr
	200-250m	Rmtr
	250-300m	Rmtr
23	Providing & fixing 175mm dia borewell cap.P.NO 85 PRED 12-13 SR	Each
24	Supplying & delivery at site brand new Texmo/Innoval/Lubi/Sabar/Atlanta/Calamal make suitable for vertical installation in 150mm dia borewell comprising of single stage or multi stage CF pump close coupled by means of stainless steel coupling to suitable HP speed totally enclosed and filled with pure drinking water,induction motor suitable for operation of 3PH,50Hz..380/440 volts AC supply fitted with required accessories such as suction,strainers and non return valve.The pump & motor shall form an integral unit with all the required fittings 12.50 HP 20 Stage.PWD SR 2013-14	Nos
25	Supplying of ISI marked galvanized MS tube,nominal bore screwed at both ends as per IS 554/1986 with latest amendments with random lengths of 4 to 7 mtrs.Conforming to IS 1239.	Rmtr
26	MS casing pipe Heavy duty collar "C" class 50mm dia P.NO 86 PRED 12-13 SR	Nos
	SPRAYING OF CHEMICAL TO CONTROL FLY AND MOSQUITO	
27	Supplying of premise chemical for spraying to control flymenace.	Ltr
28	Supplying of Sugar to mix with the chemical along with the water. For spraying to controle fly menace	Kg

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate Rs. P.	Amount	Qty (4+6)	Cost (5+8)	
499.52	806525.00	0.00	0.00	0.00	499.52	806525.00	
749.28	1280999.00	0.00	0.00	0.00	749.28	1280999.00	
60.00	207240.00	0.00	3454.00	0.00	60.00	207240.00	
304000.00	7296000.00	304000.00	24.00	7296000.00	608000.00	14592000.00	
1140.00	1596000.00	1140.00	1400.00	1596000.00	2280.00	3192000.00	
306.00	616896.00	244.00	2016.00	491904.00	550.00	1108800.00	
45.00	456788.25	27.00	10150.85	274073.00	72.00	730862.00	
888.00	217160.40	1037.00	244.55	253599.00	1925.00	470760.00	
765.00	371484.00	610.00	485.60	296216.00	1375.00	667700.00	
153.00	384336.00	122.00	2512.00	306464.00	275.00	690800.00	
3.00	5646.00	0.00	1882.00	0.00	3.00	5646.00	
150.00	47277.00	0.00	315.18	0.00	150.00	47277.00	
150.00	61800.00	0.00	412.00	0.00	150.00	61800.00	
150.00	68752.50	0.00	458.35	0.00	150.00	68753.00	
150.00	72615.00	0.00	484.10	0.00	150.00	72615.00	
150.00	84048.00	0.00	560.32	0.00	150.00	84048.00	
150.00	90073.50	0.00	600.49	0.00	150.00	90074.00	
3.00	300.00	0.00	100.00	0.00	3.00	300.00	
3.00	180253.08	0.00	60084.36	0.00	3.00	180254.00	
54.00	71550.00	0.00	1325.00	0.00	54.00	71550.00	
54.00	8100.00	0.00	150.00	0.00	54.00	8100.00	
0.00	0.00	880.00	3130.00	2754400.00	880.00	2754400.00	
0.00	0.00	5500.00	40.00	220000.00	5500.00	220000.00	

Sl N	Description	Unit
29	Supplying of Baytex chemical for spraying to control Mosquito menace.	Ltr
30	Spraying of premise chemical solution prepared by mixing the Chemical with sugar and water @ the ratio 5ml of chemical for 1 litre of water to control fly menace. Spraying Labours - 3 Nos	Nos
31	Spraying of Baytex chemical solution prepared by mixing with water @ the ratio 10ml of chemical for 1 litre of water to control mosquito menace Spraying Labour - 3 Nos	Nos
32	Procuring of spraying machines to spray above solutions.	Nos
	Grand Total	
	Add 9% KRIDL Charges	
	Add 1.5% PMC Charges	
	Net Total	

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate Rs. P.	Amount	Qty (4+6)	Cost (5+8)	
0.00	0.00	880.00	1915.00	1685200.00	880.00	1685200.00	
0.00	0.00	1100.00	244.55	269005.00	1100.00	269005.00	
0.00	0.00	1100.00	244.55	269005.00	1100.00	269005.00	
0.00	0.00	6.00	2250.00	13500.00	6.00	13500.00	
	55632986.66			**37974090.00**		**93607080.00**	
	5006969.00			3417668.00		8424637.00	
	834495.00			569611.00		1404106.00	
	61474451.00			**41961369.00**		**103435823.00**	